

## CLAIMS

1. An exhaust gas treatment agent provided with a particulate and porous structure, comprising calcium hydroxide occupying at least a portion of the surface thereof, and calcium oxide occupying the remainder.
2. The exhaust gas treatment agent according to claim 1, wherein the calcium hydroxide accounts for 20 to 70% by weight of the exhaust gas treatment agent.
3. The exhaust gas treatment agent according to claim 1, wherein the specific surface area is  $1 \text{ m}^2/\text{g}$  or more.
4. The exhaust gas treatment agent according to claim 1, wherein the void fraction is 10 to 50% by volume.
5. An exhaust gas treatment method comprising contacting the exhaust gas treatment agent according to claim 1 with exhaust gas containing a hydride and/or halide of an element belonging to group IIIb, group IVb or group Vb of the periodic table in a gaseous state.
6. An exhaust gas treatment device comprising a reaction removal unit filled with the exhaust gas treatment agent according to claim 1.
7. The exhaust gas treatment device according to claim 6, wherein the exhaust gas treatment agent is filled at a porosity of 30 to 70% by volume.